

APPENDIX I

```
1:    <!-- Copyright 1999 WebTrends Corporation --->
2:    <!-- http://www.webtrends.com --->
3:    <!-- Modification of this code is not allowed and will permanently disable your
account --->
4:    <script language="JavaScript1.2">
5:    <!--
6:    var code = "";
7:    var ORDER = "<% ORDER %>"
    var SERVER = "";
8:    var title = escape(document.title);
9:    var url = window.document.URL;
10:   var orderstr = escape(order);
11:   var get = "http://stats.webtrendsllive.com/scripts/enterprise.cgi";
12:   get += "?sid=000-99-9-7-27-7349&siteID=232";
13:   get += "&title=" + title + "&url=" + url;
16:   document.write("<" + "script src=\"" + get + "\"></script>");
17:   //-->
18:   </script>
19:   <script language="JavaScript1.2">
20:   document.write(code);
21:   document.write("<" + "!--"); </script>
22:   
24:   <script language="JavaScript1.2">
25:   document.write(" ---" + ">");
26:   </script>
27:   <noscript>
28:   
30:   </noscript>
31:   <!-- End of WebTrends Counter insertion --->
```

APPENDIX II

```
<%  
ORDER = "D1;"  
FOR i = 0 to UBOUND(orders)  
ORDER = ORDER + product(i) & "," & category(i) >>  
& "," & number_sold(i) & "," & unit_price(i) >>  
& ","  
NEXT  
%>
```

(‘>>’ indicates line continues)

APPENDIX III

```
<!-- START OF WEBTRENDS LIVE TAG INSERTION -->
<!-- Copyright 1999-2000 WebTrends Corporation -->

<!-- Visit our corporate website at http://www.webtrends.com -->
<!-- Visit our Webtrends Live website at http://www.webtrends.live.com -->
<!-- eCommerce Revenue Tracking (patent pending) -->
<SCRIPT LANGUAGE="JavaScript1.1">
var ORDER= "";
var SERVER= "";
var CONTENTGROUP= "";

// You may customize the values of the above three variables to suit your website.
// Simply insert your own values between the double-quotes.
// The lines below show some examples:
// var ORDER= "D2,Business to Consumer,Pocket FM Radio,Audio Products,10,499.99;";
// var SERVER= "Name of this web server";
// var CONTENTGROUP = "Content group name for this page";
</SCRIPT>

<!-- Modification of this code is not allowed and will permanently disable your account! -->

<SCRIPT LANGUAGE="JavaScript1.1">
v = '<' + 'SCRIPT SRC="';
v += 'http://stats.webtrends.live.com/S005-00-5-18-2994-11462/scripts/wttagv2.cgi?sid=005-00-5-18-2994-11462&siteID=11462&tagver=2&tz=-800&ed=ecommerce&button=&';
v += 'order=' + escape(ORDER) + '&';
v += 'server=' + escape(SERVER) + '&';
v += 'url=' + escape(window.document.URL) + '&';
v += 'ref=' + escape(window.document.referrer) + '&';
v += 'title=' + escape(document.title) + '&';
v += '"' + '>' + '<' + '/' + 'SCRIPT' + '>';
document.write( v);
</SCRIPT>

<NOSCRIPT>
<IMG SRC="http://stats.webtrends.live.com/S005-00-5-18-2994-11462/scripts/wttagv2_ns.cgi?uid=005-00-5-18-2994-11462&siteID=11462&tagver=2&tz=-800&ed=ecommerce&button=&javaOk=No">
</NOSCRIPT>

<!-- END OF WEBTRENDS LIVE TAG INSERTION -->
```

APPENDIX IV

This class object stores (as part of it) the data for the configured filters.

```
class CLogStats
{
public:
    CLogStats();
    ~CLogStats();

public:
    enum ENUM_STATE
    {
        ENUM_UNUSED= 0,

        ENUM_ANALYZE= 1,
        ENUM_ANALYZE_BUSY= 2,
        ENUM_DATABASE= 3,
        ENUM_DATABASE_BUSY= 4,

    };

public:
    ENUM_STATE fnuse;

    DWORD dwStartTick;
    DWORD dwCountTick;

    char szLogfile[MAX_PATH];
    unsigned int nLogfile_size;
    unsigned int nLogfile_read;
    FILETIME ftCreateOn;

    char szComment[MAX_PATH];
    DWORD dwSiteCountTick;

    int nHits;
    int nDNSBlanks;
    int nDNSResolved;
    int nDNSUnresolved;

    FILETIME ftFirstHit;

public:
    char szDsn[MAX_PATH];

public:
```

```

    int nUid;
    int nSiteId;

    int nTimeZone;
    char szCategory[100];
    char szSubCategory[100];
    char szLastAccess[20];
    char szHomePage[100];

public:
    char szIncludeFilter[400];
    char szExcludeFilter[400];

    struct IPFILTER
    {
    public:
        unsigned int start[4];
        unsigned int end[4];
    public:
        IPFILTER()
        {
            memset( start, 0, sizeof(start));
            memset( end, 0, sizeof(end));
        }
    };

    std::list< IPFILTER> listExcludeFilter;
    std::list< IPFILTER> listIncludeFilter;

public:
    char szDBLocation[100];
    char szSiteVer[100];

public:
    Table* pdb;
    Table* pGlobalDB;

public:
    SiteTables* pSiteTables;

    GlobalTables* pGlobalTables;

public:
    DWORD dwGlobalStartTick;

public:
    CLogStats* pNode_Global;
};

```

==
This function reads from the database the configured filters and parse it out for use later.

```
int CheckSiteId( Table* pGlobalDB, CLogStats* pSite)
{
    if( pGlobalDB->hdbc)
    {
        TableStmt hstmt( pGlobalDB->hdbc);
        int rc;

        //rc= db.ExecDirect( hstmt, "SELECT timezone, sitecategory,
sitesubcategory, homepage, firstaccess FROM SiteSettings WHERE siteid=%u", pSite-
>nSiteId);
        rc= pGlobalDB->ExecDirect( hstmt,
            "SELECT DBLocation, SiteVer, timezone, sitecategory,
sitesubcategory, homepage, firstaccess, includefilter, excludefilter "
            "FROM PageCounterSites "
            "WHERE siteid=%u",
            pSite->nSiteId);
        if( rc== SQL_SUCCESS)
        {
            char szFirstAccess[100]= "";

            pSite->nTimeZone= 0;
            pSite->szCategory[0]= 0;
            pSite->szSubCategory[0]= 0;
            pSite->szHomePage[0]= 0;
            pSite->szIncludeFilter[0]= 0;
            pSite->szExcludeFilter[0]= 0;

            SDWORD nLen[30];
            int nCol= 0;

            nLen[nCol]= 0;
            rc= SQLBindCol( hstmt, nCol+1, SQL_C_CHAR, &pSite-
>szDBLocation, sizeof(pSite->szDBLocation), &nLen[nCol]);
            nCol++;

            nLen[nCol]= 0;
            rc= SQLBindCol( hstmt, nCol+1, SQL_C_CHAR, &pSite-
>szSiteVer, sizeof(pSite->szSiteVer), &nLen[nCol]);
            nCol++;

            nLen[nCol]= 0;
            rc= SQLBindCol( hstmt, nCol+1, SQL_C_LONG, &pSite-
>nTimeZone, sizeof(pSite->nTimeZone), &nLen[nCol]);
```

```

        nCol++;

        nLen[nCol]= SQL_NTS;
        rc= SQLBindCol( hstmt, nCol+1, SQL_C_CHAR, (void*) &pSite-
>szCategory, sizeof(pSite->szCategory), &nLen[nCol]);
        nCol++;

        nLen[nCol]= SQL_NTS;
        rc= SQLBindCol( hstmt, nCol+1, SQL_C_CHAR, (void*) &pSite-
>szSubCategory, sizeof(pSite->szSubCategory), &nLen[nCol]);
        nCol++;

        nLen[nCol]= SQL_NTS;
        rc= SQLBindCol( hstmt, nCol+1, SQL_C_CHAR, (void*) &pSite-
>szHomePage, sizeof(pSite->szHomePage), &nLen[nCol]);
        nCol++;

        nLen[nCol]= SQL_NTS;
        rc= SQLBindCol( hstmt, nCol+1, SQL_C_CHAR, szFirstAccess,
sizeof(szFirstAccess), &nLen[nCol]);
        nCol++;

        nLen[nCol]= SQL_NTS;
        rc= SQLBindCol( hstmt, nCol+1, SQL_C_CHAR, pSite-
>szIncludeFilter, sizeof(pSite->szIncludeFilter), &nLen[nCol]);
        nCol++;

        nLen[nCol]= SQL_NTS;
        rc= SQLBindCol( hstmt, nCol+1, SQL_C_CHAR, pSite-
>szExcludeFilter, sizeof(pSite->szExcludeFilter), &nLen[nCol]);
        nCol++;

        rc= SQLFetch( hstmt);
        if( rc== SQL_SUCCESS || rc== SQL_SUCCESS_WITH_INFO)
        {
            //=====

            // Parse out the Include Filter

            if( pSite->szIncludeFilter[0])
            {
                pSite->listIncludeFilter.clear();

                CLogStats::IPFILTER node;

                int n= 0;
                char* p= pSite->szIncludeFilter;
                while( p && p[0])
                {
                    if( p[0]== '*')

```


// Parse out the Exclude Filter

```
if( pSite->szExcludeFilter[0])
{
    pSite->listExcludeFilter.clear();

    CLogStats::IPFILTER node;

    int n= 0;
    char* p= pSite->szExcludeFilter;
    while( p && p[0])
    {
        if( p[0]== '*')
        {
            node.start[n]= 0;
            node.end[n]= 255;
            n++;

            p++;
        }
        else
        {
            node.start[n]= atoi( p);
            p+= strspn( p, "0123456789");

            if( p[0]== '.')
            {
                p++;

                node.end[n]= atoi( p);
                p+= strspn( p, "0123456789");
            }
            else
            {
                node.end[n]= node.start[n];
            }

            n++;
        }
        if( p[0]== '.')
        {
            p++;
        }
        else
        {
            if( n== 4)
            {
                pSite->listExcludeFilter.push_back( node);
            }
        }
    }
}
```

```

    }
}

if( n>= 4)
{
    p+= strcspn( p, "; ");
    p+= strspn( p, "; ");

    n= 0;
}
}

}

//=====

if( !szFirstAccess[0])
{
    TableStmt hstmt( pGlobalDB->hdbc);
    rc= pGlobalDB->ExecDirect( hstmt,
        "UPDATE [PageCounterSites] SET
[firstaccess]=GETDATE() WHERE siteid=%u",
        pSite->nSiteId,
        0);
}

//=====

strlwr( pSite->szDBLocation);

if( 1)
{
    std::map< std::string, std::string>::iterator i;
    i= gGlobalSettings.zSiteDsn.find( pSite-
>szDBLocation);

    if( i!= gGlobalSettings.zSiteDsn.end())
    {
        strcpy( pSite->szDsn, (*i).second.c_str());

        return 0;
    }
}

//=====

dprintf( "DSN '%s' not found\r\n", pSite->szDBLocation);
}
else
{
    dprintf( "CheckSiteId fetch failed with rc=%u\r\n", rc);
}

```

```

    }
    else
    {
        dprintf( "CheckSiteId failed with rc=%u, msg=%s\r\n", rc,
pGlobalDB->szErrorMsg);
    }
}

pSite->nSiteId= -1;
return -1;
}

```

==

This function is run on every hit and the filter logic is executed to determine if this hit should be counted.

```

int SiteCount( Table* pdb, Table* pGlobalDB, CLogStats* pStats, CLogEntry* pLogEntry)
{
    DWORD dwStartTick= GetTickCount();

    // Make sure we look at tags for the right version!
    if( atoi( pLogEntry->pTagVersion)!= 1)
    {
        DWORD dwElapsed= GetTickCount() - dwStartTick;
        pStats->dwSiteCountTick+= dwElapsed;

        return 0;
    }

    int id;

    //=====

    // Check Include Filters
    if( 1)
    {
        if( pStats->listIncludeFilter.size())
        {
            unsigned long l;
            unsigned char* p= (unsigned char*) &l;

            l= inet_addr( pLogEntry->pHost);

            std::list< CLogStats::IPFILTER>::iterator i;
            for( i= pStats->listIncludeFilter.begin(); i!= pStats-
>listIncludeFilter.end(); i++)

```

```

        {
            CLogStats::IPFILTER& n= (*i);

            if( p[0]>= n.start[0] && p[0]<= n.end[0] &&
                p[1]>= n.start[1] && p[1]<= n.end[1] &&
                p[2]>= n.start[2] && p[2]<= n.end[2] &&
                p[3]>= n.start[3] && p[3]<= n.end[3]
            )
                break;
        }
        if( i== pStats->listIncludeFilter.end())
        {
            DWORD dwElapsed= GetTickCount() - dwStartTick;
            pStats->dwSiteCountTick+= dwElapsed;

            return 0;
        }
    }

    //=====

    // Check Exclude Filters
    if( 1)
    {
        if( pStats->listExcludeFilter.size())
        {
            unsigned long l;
            unsigned char* p= (unsigned char*) &l;

            l= inet_addr( pLogEntry->pHost);

            std::list< CLogStats::IPFILTER>::iterator i;
            for( i= pStats->listExcludeFilter.begin(); i!= pStats-
>listExcludeFilter.end(); i++)
            {
                CLogStats::IPFILTER& n= (*i);

                if( p[0]>= n.start[0] && p[0]<= n.end[0] &&
                    p[1]>= n.start[1] && p[1]<= n.end[1] &&
                    p[2]>= n.start[2] && p[2]<= n.end[2] &&
                    p[3]>= n.start[3] && p[3]<= n.end[3]
                )
                    break;
            }
            if( i!= pStats->listExcludeFilter.end())
            {
                DWORD dwElapsed= GetTickCount() - dwStartTick;
                pStats->dwSiteCountTick+= dwElapsed;
            }
        }
    }
}

```

```

        return 0;
    }
}

//=====

DWORD dwTick= GetTickCount();

//=====

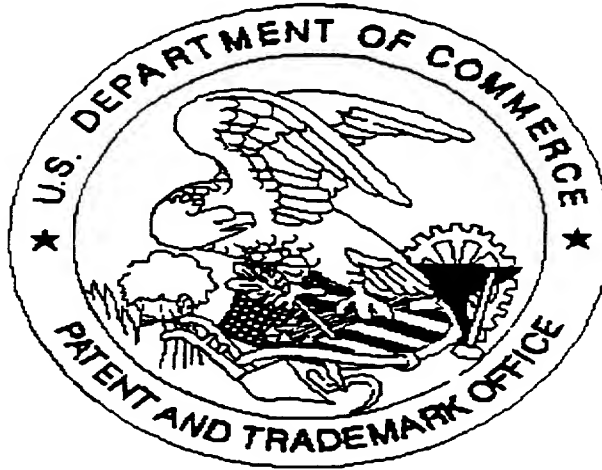
pStats->nHits++;

...
...
...
}

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